



## Horizon Zenith Projects round 1

### Granted Projects - First Call Zenith Projects

Implementation of antibody based biomarker discovery for early detection of cancer.

Dr. ing. L.J.M. (Lennard) Dekker (M), Erasmus MC, Laboratories of Neuro-Oncology and clinical & Cancer Proteomics, Department of Neurology

Novel players in globin switching: an approach towards curative intervention for beta-thalassemia and sickle cell disease.

Dr. T. B. (Thamar) van Dijk (M), Erasmus MC, Department of Cell Biology

An integrated approach to immunomodulatory agents and T-cell targeted tumor vaccines.

Dr. H. (Huib) Ovaa (M), Netherlands Cancer Institute (NKI-AVL), Division of Cell Biology

Quantitative functional enzyme profiling: a versatile strategy to monitor disease progression and to validate new therapeutic strategies.

Prof. Dr. H.S. (Herman) Overkleeft (M), Leiden Institute of Chemistry, Leiden University.

Genetics of parasitoid life-history traits: using genomics to speed-up domestication.

Dr. ir. B.A. (Bart) Pannebakker (M), University of Groningen, Evolutionary Genetics Centre for Ecological and Evolutionary Studies, Centre for Life Sciences

Closing in on defective telomere function in systemic sclerosis; novel avenues to predict prognosis and personalize treatment.

Dr. T. (Timothy) Radstake (M), Radboud University Nijmegen Medical Centre, Nijmegen Centre for Molecular Life Sciences

From gene to microbial communities: exploring microbial communities at genome-scale using constraint-based modeling and community experimentation.

Prof. dr. B. (Bas) Teusink, VU Medical Centre, Systems Bioinformatics, Amsterdam

GFP-TAGnology The dynamic proteome of the UV-induced DNA damage response.

Dr. ing. W.V. (Wim) Vermeulen (M), Erasmus MC, Department of Genetics

Orchestration of the DNA Damage Response by Post-Translational Modifications: Essential Roles for SUMOylation, Ubiquitylation and Phosphorylation in Maintaining Genome Stability.

Dr. A.C.O. (Alfred) Vertegaal (M), Leiden University Medical Centre, Department of Molecular Cell Biology

Understanding fungal diversity with respect to carbon utilization using experimentally supported bioinformatics and the Fung-Growth database.

Dr. ir. R.P. (Ronald) de Vries (M), CBS-KNAW, Fungal Biodiversity Centre

Glycoproteomics based on mass spectrometry.

Dr. M. (Manfred) Wuhrer (M), Leiden University Medical Centre, Department of Parasitology